



# Pharmacy Technician

Career Cluster	Health Science
Course Code	14152
Prerequisite(s)	Currently enrolled in 12th grade
Credit	1 credit
Program of Study and Sequence	Cluster course – Gateway to Certified Nursing Assistant – <b>Pharmacy Technician</b> – other pathway courses in the Therapeutic Services pathway or capstone experience
Student Organization	Future Health Professionals (HOSA) & Skills USA
Coordinating Work-Based Learning	Work-Based Learning: Job Shadowing and Internship
Industry Certifications	Certified Pharmacy Technician (CPhT)
Dual Credit or Dual Enrollment	Enroll at Southeast Technical Institute (STI)/2 credits articulated of the Pharmacy Principles and Practice I at STI
Teacher Certification	CTE certified with Health Science Endorsement
Resources	South Dakota Board of Pharmacy and local pharmacist.

## Course Description:

The Pharmacy Technician course prepares students to assist pharmacists. This includes learning about the roles and responsibilities of the Pharmacy Technician, safety measures, drug dosage calculations, and identification of various drugs and their effects on the human body. Students will also learn how to perform a wide range of duties in retail, hospital, and home care. The Pharmacy Technician course will equip the student to pass the national certification exam.

## Program of Study Application

Pharmacy Technician is a pathway course in the Health Science career cluster, Therapeutic Services pathway. The course would follow participation in one or more cluster courses and/or Gateway to Certified Nursing Assistant. Participation in Pharmacy Technician would prepare a student to participate in further pathway courses in the Therapeutic Services pathway or a capstone experience.

**Course Standards****PhT 1: Understand the roles and responsibilities of the Pharmacy Technician and governing laws.**

<i>Webb Level</i>	<i>Sub-indicator</i>	<i>Integrated Content</i>
One Recall	PhT 1.1 Understand the roles and responsibilities of a pharmacy technician.	
Two Skill/Concept	PhT 1.2 Interpret the laws and regulations involved in dispensing medication including controlled substances.	
Two Skill/Concept	PhT 1.3 Apply the requirements for dispensing medication in accordance with Federal and South Dakota law.	Pharmacy Technician Certification Board (PTCB) <a href="http://www.ptcb.org">www.ptcb.org</a> ; South Dakota Board of Pharmacy
One Recall	PhT 1.4 List the various types of reimbursement for prescription coverage.	Examples could include: Medicare/Medicaid/Private insurance

**Notes**

**PhT 2: Understand safety measures as they pertain to preparing prescriptions and maintaining inventory.**

<i>Webb Level</i>	<i>Sub-indicator</i>	<i>Integrated Content</i>
One Recall	PhT 2.1 Identify the steps involved in preparing and processing prescriptions.	
Two Skill/Concept	PhT 2.2 Apply safety measures to prevent prescription errors and recognize the importance of reporting errors.	
One Recall	PhT 2.3 Identify the process of maintaining pharmacy inventory.	Examples: receiving merchandise, stocking shelves, proper temperatures, and outdated pharmacy merchandise.

**Notes**

**PhT 3: Understand drug dosage calculations and preparation of prescriptions.**

<i>Webb Level</i>	<i>Sub-indicator</i>	<i>Integrated Content</i>
Two Skill/Concept	PhT 3.1 Solve Basic Math Problems.	Convert Roman numerals, fractions, add, subtract, multiply, and divide decimals, use ratios and proportions.
Two Skill/Concept	PhT 3.2 Convert between metric and apothecary measurements.	
One Recall	PhT 3.3 Calculate dosage.	
One Recall	PhT 3.4 Identify characteristics of dosage forms.	Oral, liquids, topical, parenteral, aerosols, and mists.
One Recall	PhT 3.5 Identify common terminology and abbreviations related to pharmacy.	

**Notes**

**PhT 4 Identify various drugs and their effects on the human body.**

<i>Webb Level</i>	<i>Sub-indicator</i>	<i>Integrated Content</i>
One Recall	PhT 4.1 Define therapeutic effects of medications.	
One Recall	PhT 4.2 Memorize common medications by brand and generic names.	
One Recall	PhT 4.3 Identify the most common adverse effects of drugs.	
One Recall	PhT 4.4 Identify common drug interactions of drugs.	
One Recall	PhT 4.5 Identify monitoring parameters or labs for drug therapy.	Relates to directives from pharmacists and attending physicians.

**Notes**